Sheet 2 of 5 sheet(s)

U.S. Department of Commerce, Patent and Trademark Office				Docket No.		Serial No.			
(PTO Form 1449 modified)				AMAT/4714.P1/TCG/ WCVD/BG		09/678,266			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Applicant		Confirmation No.:			
						Kori, et al.		4642	
(Use se	veral	sheets	if necessary)			Filing Date		Group	
		E	xaminer D. Zan	neke		October 3, 2	2000	Examiner	
U.S. Pa	tent I	Docum	nents						
*Examin	er		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate	
		A1	6,372,598	04/16/02	Kang, et al.	438	399	06/16/99	
- KV'-		A2	6,369,430	04/09/02	Adetutu, et al.	257	382	04/02/01	
1		A3	6,368,954	04/09/02	Lopatin, et al.	438	627	07/28/00	
		A4	6,358,829	03/19/02	Yoon, et al.	438	597	09/16/99	
		A5	6,355,561	03/12/02	Sandhu, et al.	438	676	11/21/00	
		A6	6,342,277	01/29/02	Sherman	427	562	04/14/99	
		A7	6,333,260	12/25/01	Kwon, et al.	438	643	06/24/99	
		A8	6,284,646	09/04/01	Leem	438	629	08/19/98	
		A9	6,207,487	03/27/01	Kim, et al.	438	238	10/12/99	
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TH		A13	2003/0049942	03/13/03	Haukka, et al.	438	778	08/22/02	_
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					Sheet 3 of 5 she		neet(s)	
U.S. Department of Commerce, Patent and Trademark Office				Docket No.		Serial No.		
(PTO Form 1449 modified)					AMAT/4714,P1/TCG/ WCVD/BG		09/678,266	
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*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate	
M	A1	2003/0032281	02/13/03	Werkhoven, et al.	438	640	09/23/02	
A	A2	2003/0031807	02/13/03	Elers, et al.	427	569	09/17/02	
Λ	A3	2003/0013320	12/05/02	Leskela, et al.	427	250	03/15/02	
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	.A6	2002/0182320	01/16/03	Kim, et al.	438	778	05/31/01	
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27	A10	2002/0117399	08/29/02	Chen, et al.	205	125	02/23/01	
	A11	2002/0109168	08/15/02	3/15/02 Kim, et al.		295	01/30/02	
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Foreign Pa	tent Do	cuments					-	
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- A		Number					YEŞ	NO
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Sheet 4 of 5 sheet(s) Docket No. Serial No. U.S. Department of Commerce, Patent and AMAT/4714.P1/TCG/ 09/678,266 (PTO Form 1449 modified) WCVD/BG INFORMATION DISCLOSURE STATEMENT BY APPLICANT Applicant Confirmation No.: Kori, et al. 4642 Filing Date Group (Use several sheets if necessary) October 3, 2000 Examiner D. Zameke Examiner U.S. Patent Documents Filing Date If Applicant(s) Class Subclass Document Issue *Examiner **Appropriate** Date Name Number Initial 438 694 03/07/02 2002/0094689 07/18/02 Park **A1** 438 761 01/31/02 2002/0090829 07/11/02 Sandhu, et al. **A2** 438 3 11/28/01 **A3** 2002/0076837 06/20/02 Hujanen, et al. 427 569 10/24/01 06/20/02 Chiang, et al. **A4** 2002/0076507 438 151 01/14/02 05/23/02 Sandhu, et al. **A5** 2002/0061612 438 430 10/29/01 **A6** 2002/0055235 05/09/02 Agarwal, et al. 438 507 05/03/01 05/02/02 **A7** 2002/0052097 Park 04/25/02 438 253 08/08/01 **A8** 2002/0048880 Lee 430 438 10/29/01 03/28/02 Agarwal, et al. **A9** 2002/0037630 427 569 10/09/01 A10 2002/0031618 03/14/02 Sherman 438 618 06/20/01 02/14/02 A11 2002/0019121 Pyo 715 118 05/03/01 A12 2002/0007790 01/24/02 Park Soininen, et al. 438 584 05/15/01 A13 2002/0004293 01/10/02 Foreign Patent Documents Document Date Country Class Subclass Translation *Examiner Number Initial YES NO В1 П **B2 B3** OTHER ART Including Author, Title, Date, Pertinent Pages, Etc. *Examiner Initial C1 C2 C3

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UNI	A2	2001/0054769	12/27/01	Raaijmakers, et a	al 257	758	04/26/01		
	A3	2001/0054730	12/27/01	Kim, et al.	257	301	05/23/01		
	A4	2001/0029094	10/11/01	Mee-Young, et a	l. 438	597	09/16/99		
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Substitute for form 1449A/PTO	Application Number	09/678,266
1 Stp 2 0 2004 1	Filing Date	October 3, 2000
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY	First Named Inventor	Xi, et al.
DISCLOSURE STATEMENT BY	Group Art Unit	2827
APPLICANT	Examiner Name	David Zarneke

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Attorney Docket Number

Submission Date

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September 15, 2004

			U.S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (if known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
7	A1	6,635,965	10/21/2003	Lee, et al.	riguico Appeai
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		NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published						
M	€1	"Pulsed Nucleation for Ultra-High Aspect Ratio Tungsten Plugfill"; San-Hyeob Lee, et. al; Materials Research Society, 2002, 649-653.	_					
	Yang, et al. "Atomic Layer Deposition of Tungsten Film from WF ₆ /B ₂ H ₆ : Nucleation Layer for Advanced Semiconductor Device," Conference Proceedings ULSI XVII (2002) Materials Research Society.							
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Examiner		Date Considered						

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